

ABSTRACT

This invention provides a power unit for an automobile including a motor 6 for starting an engine by transmitting a power thereto and generating a power by receiving a power from the engine during rotation thereof, a power converting circuit 5 for transmitting a power to the motor 6, a battery 1, an energy storing source 20 for storing energy, and a DC/DC converter including at least two switching elements 10, 11, charging the energy storing source 20, and recovering energy in the energy storing source 20 to the battery 1. Since the switch provided in the DC/DC converter is normally turned on when the motor 6 generates power by receiving a power from the engine and charges the battery 1 through the power converting circuit 5 and the DC/DC converter, generation of heat from the DC/DC converter circuit part can be suppressed greatly.